What is claimed is:

1	 Apparatus for automatically dispensing a fluid comprising:
2	a) a container adapted to carry a supply of fluid;
3	b) a valve connected to said container, wherein actuation of said valve
4	dispenses the fluid;
5	c) an apparatus position indicator proximally associated with said
6	container;
7	d) an object sensor positioned near said valve, wherein said object sensor
8	monitors an area below where said valve dispenses when open and
9	upon detection of an object opens said valve; and
10	e) wherein initial positioning of the apparatus triggers said apparatus
11	position indicator to generate an appropriate signal until said object
12	sensor is properly positioned.
1	2. The apparatus according to Claim 1, wherein said apparatus position
2	indicator includes at least one illumination device that illuminates when said
3	object sensor is properly positioned.
1	3. The apparatus according to Claim 1, wherein said apparatus position
2	indicator includes at least one illumination device that illuminates until said
3	object sensor is properly positioned.
1	4. A method for installing an automated stall discuss
2	instanting an automated fluid dispenser, comprising:
3	a) providing a fluid dispenser for carrying a container, a valve connected
	to said container wherein actuation of said valve dispenses a fluid
4	carried by said container when installed, an apparatus position
5	indicator carried by said fluid dispenser, and an object sensor
6	positioned near said valve;
7	b) connecting a power source to at least said apparatus position indicator
8	and said object sensor;

1	c) positioning said fluid dispenser in at least one prospective mounting
2	location;
3	d) emitting from said object sensor a test signal to ensure proper
4	positioning of said fluid dispenser; and
5	e) repeating steps c) and d) until said apparatus position indicator
6	provides a positive indication of said fluid dispenser's placement.
1	5. The method according to Claim 4, further comprising:
2	marking a position of said fluid dispenser's positive placement; and
3	permanently installing said fluid dispenser at said position.
1	6. The method according to Claim 5, further comprising:
2	installing said container in said fluid dispenser.
1	7. Apparatus for dispensing a measured quantity of fluid, comprising:
2	a) an object sensor;
3	b) a container carrying a supply of fluid;
4	c) a dispense mechanism coupled to said container to control an amount
5	of fluid to be dispensed;
6	d) a pump actuator mechanism coupled to said object sensor, wherein
7	detection of an object by said object sensor cycles said pump actuator
8	mechanism to engage said dispense mechanism which dispenses a
9	measured quantity of fluid; and
10	e) a hidden switch carried by said container, wherein actuation of said
11	hidden switch enables a processor to enter an operational feature mode.
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1	8. The apparatus accordingly to Claim 7, further comprising:
2	at least one illuminating indicia connected to said processor wherein
3	entry into said operational feature mode is indicated by said at least one
4	illuminating indicia.

1	The apparatus according to Claim 8, further comprising:
2	at least two lights, wherein said lights are sequentially illuminated to
3	indicate where an object should be placed for receipt of the fluid; and
4	wherein entry into said operational feature mode allows enablement or
5	disablement of said at least two lights.
1	10. The apparatus according to Claim 8 wherein entry into said operational
2	feature mode allows selection of a number of cycles of said pump actuator
3	mechanism to control an amount of dispensed fluid upon detection of an
4	object.
1	11. The apparatus according to Claim 8 wherein entry into said operational
2	feature mode allows selection of a size of said dispense mechanism.
1	12. The apparatus according to Claim 8, further comprising:
2	a low level indicator connected to said processor,
3	wherein entry into said operational feature mode allows selection of a
4	number of cycles of said pump actuator mechanism to control an amount of
5	dispensed fluid upon detection of an object,
6	wherein entry into said operational feature allows selection of a size of
7	said dispense mechanism, and
8	wherein said processor calculates when the fluid in a given size of
9	container will be depleted to a predetermined level based upon said number
10	of cycles and size of said dispense mechanism.
1	13. The apparatus according to Claim 8, further comprising:
2	a timer connected to said processor, said timer initiated upon actuation
3	of said hidden button to allow for servicing of the apparatus.

1 2	14. The apparatus according to Claim 13, wherein said object sensor is disabled while said timer is running.
1	15. The apparatus according to Claim 14, wherein said object sensor is re-
2	enabled upon either expiration of said timer or re-actuation of said hidden
3	switch.
1	16. Apparatus for dispensing a measured quantity of fluid, comprising:
2	a) a container carrying a supply of fluid;
3	b) a dispense mechanism coupled to said container to control an amount
4	of fluid to be dispensed;
5	c) a pump actuator mechanism coupled to said object sensor, wherein
6	detection of an object by said object sensor cycles said pump actuator
7	mechanism to engage said dispense mechanism which dispenses a
8	measured quantity of fluid; and
9	d) a timer having a predetermined period of time, said timer associated
10	with said dispense mechanism, said timer actuated upon dispensing of
11	said dispense mechanism, said dispense mechanism disabled if a
12	predetermined number of dispense events occur within said
13	predetermined period of time.
1	17. The apparatus according to claim 16, wherein said dispense mechanism is
2	re-enabled upon completion of a second period of time.
1	18. The apparatus according to claim 17, wherein said predetermined period of
2	time is about 15 seconds and said predetermined number of dispense events
3	is about 5.
1	19. The apparatus according to claim 17, wherein said second period of time is
2	about 45 seconds.

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1	20	Apparatus for dispensing a measured quantity of fluid, comprising:
2		a) an object sensor which generates an object signal upon detection of an
3		object;
4		b) a container carrying a supply of fluid;
5		c) a dispense mechanism coupled to said container to control an amount
6		of fluid to be dispensed;
7		d) a pump actuator mechanism coupled to said object sensor, wherein
8		detection of an object by said object sensor cycles said pump actuator
9		mechanism to engage said dispense mechanism which dispenses a
10		measured quantity of fluid and wherein said pump actuator mechanism
11		converts rotational motion to linear motion to cycle said dispense
12		mechanism; and
13		e) a control circuit having a processor to receive said object signal,
14		wherein said processor generates a cycle signal received by said pump
15		actuator mechanism to actuate said dispense mechanism.
1	21.	The apparatus according to Claim 20, further comprising:
2		a motor carried by said pump actuator mechanism, wherein a motor
3		drive input signal is generated by said processor;
4		a motor sensor coupled to said pump actuator, said motor sensor
5		detecting a position of said motor and generating a brake input signal when
6		said motor position is detected,
7		wherein generation of said brake input signal connects said motor
8		drive input signal to ground to effectively brake said motor.
1	22.	The emperature and the second
2	44.	The apparatus according to Claim 20, further comprising:
3		a motor carried by said pump actuator mechanism, wherein a motor
4		drive signal is generated by said processor to actuate said motor and said
5		pump actuator mechanism;
6		an overload circuit carried by said control circuit, wherein if said
U		overload circuit detects a voltage value in excess of a predetermined

1		threshold, an overload signal is generated and received by said processor
2		which in turn stops generation of said motor drive signal.
1	23.	The apparatus according to Claim 20, wherein said control circuit
2		comprises:
3		a sensor circuit for carrying said object sensor; and
4		a systems circuit for carrying said processor, wherein said sensor
5		circuit and said systems circuit are maintained on their own respective circuit
6		boards to minimize interference therebetween.
1	24.	The apparatus according to said Claim 23, wherein each said respective
2		circuit board functions as a shielded backplane.